|  |
| --- |
| Team Name EOD |

***\*\*Create a new Google Doc titled “your last name(s)/EOD Notebook” and share it with your instructor.***

ONE WEEK PLAN: Week One - January 23-January 27

Week One-

Every week your notebook will be looked at and graded. You must start each two weeks with what your

Team’s one week plan is. Replace this text with those thoughts and ideas.

|  |
| --- |
| DATE: |
| Today’s Objective(s): This is where you record what you hope to accomplish as a team today, and why you are doing what you are doing. For example: Today we are going to secure all of the parts necessary for the scissor lift, assemble lift, and test the lift in the schematic editor, so that we can proceed to troubleshoot our design. We are also going to begin test driving the basic chassis that we built.  Below, you will list the tasks that are necessary to accomplish your objective(s). |

|  |  |
| --- | --- |
| TASK | REFLECTION |
| 1. This is where you describe in great detail the tasks that you are working on today in order to achieve the objective you have listed above. 2. Make sure that you are very specific about what you are doing. 3. There will probably be multiple tasks each day, so number them. These boxes will expand as needed. | This is where you report on how you tried to achieve the task you described in the first column, and how it turned out. What tools/materials did you use, what problems did you encounter, what conclusions can you draw from the experience, what are the next steps, etc.  M.S. (put the initials of who worked on it at the end of the reflection). |

|  |  |
| --- | --- |
| IMAGE #1 TITLE | DESCRIPTION |
|  | For Example, this is our scissor lift that works on the principal of a linear actuator. The parts needed to construct this lift are:  • 4 ea 122 mm channels  • 1 ea 16” threaded rod  • 5 ea 50 mm axels  etc… |

|  |  |
| --- | --- |
| IMAGE #2 TITLE | |
|  | DESCRIPTION:  For Example, this is our basic chassis. It is a four-wheel drive vehicle powered by four 9v DC motors. Each motor is geared down with a 4:1 ratio, providing great torque, which we felt we needed rather than speed, in order to climb the ramps. |

|  |
| --- |
| DATE: |
| Today’s Objective(s): This is where you record what you hope to accomplish as a team today, and why you are doing what you are doing. For example: Today we are going to secure all of the parts necessary for the scissor lift, assemble lift, and test the lift in the schematic editor, so that we can proceed to troubleshoot our design. We are also going to begin test driving the basic chassis that we built.  Below, you will list the tasks that are necessary to accomplish your objective(s). |

|  |  |
| --- | --- |
| TASK | REFLECTION |
| 1. This is where you describe in great detail the tasks that you are working on today in order to achieve the objective you have listed above. 2. Make sure that you are very specific about what you are doing. 3. There will probably be multiple tasks each day, so number them. These boxes will expand as needed. | This is where you report on how you tried to achieve the task you described in the first column, and how it turned out. What tools/materials did you use, what problems did you encounter, what conclusions can you draw from the experience, what are the next steps, etc.  M.S. (put the initials of who worked on it at the end of the reflection). |

|  |  |
| --- | --- |
| IMAGE #1 TITLE | DESCRIPTION |
|  | For Example, this is our scissor lift that works on the principal of a linear actuator. The parts needed to construct this lift are:  • 4 ea 122 mm channels  • 1 ea 16” threaded rod  • 5 ea 50 mm axels  etc… |

|  |  |
| --- | --- |
| IMAGE #2 TITLE | |
|  | DESCRIPTION:  For Example, this is our basic chassis. It is a four-wheel drive vehicle powered by four 9v DC motors. Each motor is geared down with a 4:1 ratio, providing great torque, which we felt we needed rather than speed, in order to climb the ramps. |

End of Week Wrap up-Describe in detail the Engineering Design Process element used in the last week

*\*A good example of an engineering design process entry will be very useful in the creation of the post build essay… here is an example of a good journal entry:*

TEST: After completing our climbing mechanism my team began to run some tests from the bottom of the ramp. For these tests we timed the robots ability to climb the ramp ten times, on average we found that it took 45 seconds for the robot to make it from the bottom of the ramp to the top. Some factors that affected the robots speed is the amount of battery power and the extra weight of the loaded ball. We believe that based on these results we need to be sure to use a fully charged battery for every run.

